



INTERPHASE FLUORESCENCE IN SITU HYBRIDIZATION PANEL TEST FOR MULTIPLE MYELOMA, B-CELL CHRONIC LYMPHOCYTIC LEUKAEMIA AND MYELODYSPLASTIC SYNDROME

Synonym(s): EXPANDED MM FISH PANEL, COMBINED MM FISH PANEL, CLL FISH PANEL, MDS FISH PANEL

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Lab Section Category	Cytogenetics - Cancer/Cancer FISH Click here to find out more about the write-up (/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/cytogenetics.aspx) .
Indications	Many cytogenetic abnormalities are subtle or are found in non-dividing cells that only interphase FISH can be used to elucidate. FISH panels offered by the laboratory include: <ol style="list-style-type: none"> Multiple Myeloma: Expanded MM FISH panel can be used to detect multiple chromosomal aberrations found in multiple myeloma. See table 2 for probe combination. Combined MM FISH Panel: Inclusive of MM Hyperdiploidy FISH Panel and Expanded MM FISH Panel. B-cell Chronic Lymphocytic Leukaemia: CLL FISH panel can be used to detect multiple aberrations that are often found in clonal B-cells. Myelodysplastic Syndrome: MDS FISH panel is used to detect MDS.
Specimen Required	Bone marrow in sodium/lithium heparin. For B-cell CLL, the preferred specimen is peripheral blood.
Test Result	Positive or Negative for the FISH panel. FISH findings are reported in accordance to the International System for Human Cytogenomic Nomenclature (ISCN, 2016).
Turnaround Time	3 ~ 10 days
Day(s) Test Set up	Monday – Saturday (office hours)

Remarks	The FISH panel test is charged as a separate test from any accompanying cytogenetic test. Four to nine DNA probes, excluding internal control probes, are used in each panel test.
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Change History Notes

- **07 Dec 2015 04:26 PM**
- Updated Turnaround Time: 3 ~ 10 days

- **06 Jul 2017 11:05 AM**
- Updated the test result for ISCN, 2013 to ISCN, 2016

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